



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

09/924,094

08/08/2001

Jung-Wan Ko

1293.1059-CIPD3

3341

49455

7590

07/03/2006

STEIN, MCEWEN & BUI, LLP
1400 EYE STREET, NW
SUITE 300
WASHINGTON, DC 20005

EXAMINER

SHIBRU, HELEN

ART UNIT

PAPER NUMBER

2621

DATE MAILED: 07/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/924,094	Applicant(s) KO ET AL.	
	Examiner HELEN SHIBRU	Art Unit 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 April 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 29-47 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 29-47 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. The Terminal Disclaimer, filed 04/03/2006, have been entered and made of record.

Claims 29-47 are pending.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 29-47 are rejected under 35 U.S.C. 102(b) as being anticipated by Katayama (US Pat. No. 5,902,115).

Regarding claim 29, Katayama discloses a reproducing apparatus comprising:

a playback signal processing unit to read data from a storage medium (see fig. 1), the storage medium comprising an audio area including at least one audio title set (ATS) (see col. 6 lines 62-67 and col. 7 line 61-col. 8 line 11), audio data stored in said ATS (see col. 9 line 1-36, col. 10 lines 39-67, col. 37 line 53-col. 38 line 53), catalog playback information which is stored in the audio area and which is related to the audio data stored in the ATS, and a predetermined area other than the audio area which includes a catalog management (CMG) region having management information on catalog information (see figures 6-11), and a catalog title set (CTS) having at least one catalog title including the catalog information related to each item of the audio data (see col. 17 lines 24-54 and col. 18 lines 43-58), and

a controller which reproduces the audio data and the catalog information according to the read catalog playback information (see col. 7 line 47-col. 8 line 11), the catalog playback information connecting the audio data and the catalog information to be reproduced during reproduction of the audio data (see col. 6 line 44-col. 7 line 18 and col. 10 lines 17-38).

Regarding claim 30, Katayama discloses at least one catalog title includes a still picture related to a corresponding item of the audio data (see col. 10 lines 39-67 and col. 22 lines 32-52); and

the controller reproduces the audio data and the still picture according to the read catalog playback information (see col. 7 line 47-col. 8 line 11), the catalog playback information automatically instructing the controller to reproduce the still picture with the audio data when the audio data is reproduced (see col. 6 line 44-col. 7 line 18 and col. 10 lines 17-38).

Regarding claim 31, Katayama discloses the catalog information related to the audio data further comprises common catalog information commonly applied for more than one of the audio data recorded on the storage medium (see col. 12 line 54-col. 13 line 26 and col. 17 lines 45-53).

Regarding claim 32, Katayama discloses the catalog information comprises still picture information related to the audio data during reproduction according to the catalog playback information (see col. 10 line 39-col. 11 line 11 and col. 22 lines 32-52 and fig. 8), the controller reproduces the audio data and the still picture information according to the read catalog playback information (see col. 6 line 44-col. 7 line 18, line 47-col. 8 line 11, and col. 10 lines 17-38),

the still picture information comprises:

common still picture information commonly applied for more than one item of the audio data recorded on the storage medium (see col. 12 line 54-col. 13 line 26 and col. 17 lines 45-53), and title still picture information corresponding uniquely corresponding to individual items of the audio data (see col. 9 lines 37-63, col. 22 lines 32-52), and

the predetermined area comprises:

a still picture management (SMG) region having management information on the still picture information (see col. 8 lines 24-52, col. 18 lines 18-42 figures 15 and 67), and

a still picture title set (SPTS) including at least one still picture title including the still picture information related to each item of the audio data (see col. 11 lines 2-11 and col. 22 lines 32-52).

Regarding claim 33, Katayama discloses a playback signal processing unit to read data from a storage medium, the storage medium comprising audio data stored in a first predetermined area of the storage medium with catalog playback information, and catalog information related to the audio data and stored in a second predetermined area of the storage medium other than the first predetermined area (see rejection of claim 29 above), and

a controller which reproduces the audio data and the catalog information according to the read catalog playback information (see rejection of claim 29 above),

wherein:

the catalog information comprises a still picture, a sub-picture, and navigation information controlling the still picture and the sub-picture (see col. 7 line 61-col. 8 line 11, col. 10 lines 39-67, col. 22 lines 32-52, col. 33 lines 13-36, and fig. 68), and

the second predetermined area comprises a catalog management (CMG) region having management information on the catalog information, and a catalog title set (CTS) including at least one title catalog of the catalog information related to each item of the audio data (see col. 17 lines 24-54 and col. 18 lines 43-58).

Regarding claim 34, Katayama discloses the first predetermined area comprises at least one audio title set (ATS) storing the audio data (see col. 10 line 39-col. 11 line 10, col. 22 lines 25-51).

Regarding claim 35, Katayama discloses the first predetermined area comprises an audio management (AMG) region including management information on the audio data and ~~and~~ an audio title set (ATS) which includes the audio data (see figures 4-11).

Regarding claim 36, Katayama discloses the catalog playback information includes an auto presentation information table determining the catalog information to be played back corresponding to a predetermined time during reproduction of the audio data (see col. 10 lines 17-38 and col. 31 lines 47-67), and

the controller reproduces the audio data and the catalog information according to the auto presentation information table of the catalog playback information (see figure 56).

Regarding claim 37, Katayama discloses a buffer to store the catalog information, wherein the controller controls the playback signal processing unit to read the catalog information from the second predetermined area and to store the read catalog information in the buffer prior to reading the audio data from the first predetermined area, and reproduces the buffered catalog information while reproducing the read audio data according to the read catalog playback information (see col. 7 line 61-col. 8 line 11 and col. 11 lines 47-58).

Regarding claim 38, Katayama discloses a method of playing back data on a storage medium storing audio data, catalog information related to the audio data, and catalog playback information connecting the audio data and the catalog information to each other during playback (see col. 6 lines 62-67, col. 7 line 61-col. 8 line 11), comprising:

while playing back the audio data obtained from an audio area, playing back the corresponding catalog information obtained from a catalog information area which corresponds to the catalog playback information obtained from the audio area (see col. 9 lines 1-36 and col. 37 line 53-col. 38 line 53),

wherein:

the audio area includes the catalog playback information and an audio title set (ATS) in which is stored the audio data (see col. 10 line 39-col. 11 line 10 and col. 22 lines 25-51), and

the catalog information area is other than the audio area and which includes the catalog information stored in a catalog title set (CTS) (see col. 17 lines 24-54 and col. 18 lines 43-58).

Regarding claim 39, Katayama discloses the playing back the corresponding catalog information comprises:

reading from the catalog information area the catalog information related to the audio data to be reproduced according to the catalog playback information connecting the audio data and the catalog information to each other during reproduction (see col. 9 lines 1-36 and col. 10 line 39-col. 11 line 10), and

reproducing the read encoded audio data and the read encoded catalog information read from the storage medium connected by the encoded catalog playback information (see col. 39 lines 13-37),

the audio area further comprises an audio management (AMG) region having management information on the audio data and including the catalog playback information (see col. 40 lines 6-31), and

the catalog information area is other than the audio area and further comprises a catalog management (CMG) region having management information on the catalog information (see figures 6-11).

Regarding claim 40, Katayama discloses the catalog information includes common catalog data for information commonly applied for more than one of the audio data and title catalog information corresponding to each of the audio data (see rejection of claim 31 above), and

the playing back the corresponding catalog information comprises playing back, according to the catalog playback information, the common catalog data, the title catalog data, or combinations thereof with the audio data (see rejection of claim 32 above).

Regarding claim 41, Katayama discloses the catalog information comprises common catalog information commonly applied for more than one of the audio data and title catalog information corresponding to each of the audio data (see col. 12 line 54-col. 13 line 26 and col. 17 lines 45-53),

the playing back the corresponding catalog information comprises, during reproduction of the audio data, selectively controlling playback of the common catalog data, the title catalog

data, or combinations thereof using the catalog playback information, the catalog playback information linking the common catalog data and the title catalog data according to the reproduced audio data (see col. 7 line 47-col. 8 line 11), and

the catalog information comprises a catalog management (CMG) region having management information on the catalog information (see figures 6-11).

Regarding claim 42, Katayama discloses the catalog information comprises still picture information related to the audio data during reproduction by the catalog playback information (see col. 10 lines 39-67 and col. 22 lines 32-52),

the playing back the corresponding catalog information comprises, during reproduction of the audio data, reproducing the still picture information which is related to the reproduced audio data during reproduction by the read catalog playback information by controlling playback of a common one of the still picture information commonly applied for more than one of the audio data recorded on the storage medium and/or title still picture information corresponding to each of the audio data according to the reproduced audio data (see col. 6 line 44-col. 7 line 18, col. 10 line 39-col. 11 line 10, and col. 22 lines 25-51),

and the catalog information area comprises:

a still picture management region having management information on the still picture information (see col. 8 lines 24-52, col. 18 lines 18-42 and figures 15 and 67), and

a still picture title set including at least one still picture title including the still picture information related to each item of the audio data (see col. 11 lines 2-11 and col. 22 lines 3-52).

Regarding claim 43, Katayama discloses the catalog information includes a still picture for a background image, a sub-picture for a caption, and navigation information for controlling

the reproduction of the still picture and the sub-picture (see col. 7 line 61-col. 8 line 11, col. 10 lines 39-67, col. 22 lines 32-52, col. 33 lines 13-36, and fig. 68).

Regarding claim 44, Katayama discloses the catalog information area comprises a catalog management (CMG) region having management information on the catalog information and the CTS having at least one catalog title including the catalog information related to each item of the audio data (see claim 33 rejection above), and

the at least one catalog title comprises
at least one still picture (see col. 10 lines 39-67 and col. 22 lines 32-52),
at least one sub-picture (see col. 7 line 61-col. 8 line 11, col. 22 lines 32-52), and
navigation information controlling the still picture and the sub-picture (see col. 33 lines 13-36).

Regarding claim 45, Katayama discloses the catalog playback information comprises an auto presentation information table determining the catalog information to be played back corresponding to a predetermined time with the audio data, and the playing back the corresponding catalog information further comprises determining the catalog information to be played back and playing back the corresponding catalog information according to the auto presentation table (see rejection of claim 36).

Regarding claim 46, Katayama discloses buffering the catalog information read from the catalog information area, wherein the playing back the catalog information comprises playing back the buffered catalog information according to the catalog playback information read from the catalog information area (see col. 7 line 61-col. 8 line 11 and col. 11 lines 47-58).

Regarding claim 47, Katayama discloses the playing back the catalog information comprises, while playing back the audio data, using the catalog playback information to selectively reproduce the catalog information from a buffer and which was buffered prior to playing back the audio data being reproduced (see col. 14 lines 1-16).

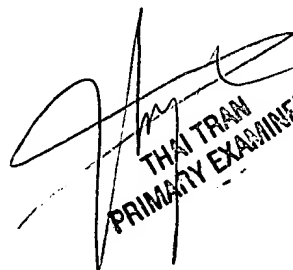
Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HELEN SHIBRU whose telephone number is (571) 272-7329. The examiner can normally be reached on M-F, 8:30AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, THAI Q. TRAN can be reached on (571) 272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Helen Shibru
June 26, 2006


THAI TRAN
PRIMARY EXAMINER